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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit 2183  
Examiner Eric Coleman

In Re: Enric Musoll et al.  
Case: P3809  
Serial No.: 09/616,385  
Filed: July 14, 2000  
Subject: Methods and Apparatus for Improving Fetching and  
Dispatch of Instructions in Multithreaded Processors

To: The Commissioner of Patents and Trademarks  
Washington, D.C. 20231

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AUG 27 2003

GROUP 2100

Dear Sir;

Response A

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## In the claims:

All of the claims standing for examination are presented below. There are no amendments to the claims or specification made in the present response.

What is claimed is:

- At Pub B1
1. (Original) In a multi-streaming processor, a system for fetching instructions from individual ones of the multiple streams to a pipeline, comprising:
- a fetch algorithm for selecting from which stream to fetch instructions; and
  - a branch predictor for forecasting whether a branch alternative of a branch instructions will be taken;
- wherein the prediction by the branch predictor is used by the fetch algorithm in determining from which stream to fetch.

Method of Transmission: By Facsimile

CASE DOCKET NO. P3809

In reference to application of Enric Musoll et al.

Serial No. 09/616,385

For Methods and Apparatus for Improving Fetching and Dispatch of Instructions in Multithreaded Processors

Sir:

Transmitted herewith is and an amendment in the above-identified application, under 37 C.F.R. 1.312.

- ☒ No additional fee is required.  
☐ Applicant claims Small entity status under 37 CFR 1.27.  
☐ The fee has been calculated as shown below.

**** CLAIMS AS AMENDED ****							
(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest No. Paid For Previously	(5) Present Extra	(6) Rate Small Entity	(7) Rate Large Entity	(8) Additional Fee
Total Claims	24	Minus	** 24	0	\$ 9	\$ 18	\$ 0.00
Indep Claims	6	Minus	*** 6	0	\$ 42	\$ 84	\$ 0.00
<input type="checkbox"/> First presentation of a multiple dependent claim					\$ 0	\$ 0	\$ 0.00
<input type="checkbox"/> Terminal Disclaimer Fees							\$ 0.00
Extension Fee	<input type="checkbox"/> 1st Month		<input type="checkbox"/> 2nd Month		<input type="checkbox"/> 3rd Month		\$ 0.00
Total additional for claims, time extensions and disclaimer fees							\$ 0.00

\*\* If the "highest Number Previously Paid For" in this space is less than 20, write "20" in this space.

\*\*\* If the "highest Number Previously Paid For" in this space is less than 3, write "3" in this space.

\*\*\*\* Multiple dependencies, if any, included in the above calculation.

\* If the entry in column 2 is less than the entry in column 4, write "0" in column 5.

☐ A check in the amount of 0.00 is attached.☐ Charge \$ 0.00 to deposit account 50-0534. (A duplicate of this sheet is enclosed)☒ Please charge any additional fees or credit overpayment to Deposit Account 50-0534. A duplicate of this sheet is enclosed.Respectfully Submitted, Donald R. Boys  
Reg. No. 35074Donald R. Boys  
Central Coast Patent Agency, Inc.  
P.O. Box 187  
Aromas, CA 95004  
(831) 726-1457

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In re: **Enric Musoll et al.**  
Case: **P3809** Application No.: **09/616,385** Filing date: **07/14/2000**  
Art Unit: **2183** Examiner: **Eric Coleman**  
Subject: **Methods and Apparatus for Improving Fetching and Dispatch of Instructions in Multithreaded Processors**

**Certificate of Transmission under 37 CFR 1.8**

Attention: **Eric Coleman, Examiner**

Fax No.: **(703) 746-7239**

I hereby certify that this correspondence is being facsimile transmitted to the  
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Date

  
Signature

Lynda Schwalenberg

Typed or printed name of person signing Certificate

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**AUG 27 2003**

**GROUP 2100**

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- 4. Certificate of Transmission - 1 sheet**

**Please call me at (831) 726-1457 if you have any questions.**

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